

a display section for displaying a transformed image based on the display data from the image transformation section; and

a display control section for controlling the transformed image to be displayed on the display section,

wherein the image transformation section includes

at least one buffer memory for temporarily storing the image data and the display data,

an arithmetic/logic circuit for performing coordinate transformation of a polar coordinate when the image data is transformed into the display data as a rectangular coordinate with reference to a lookup table of a trigonometric function, and

a CPU for controlling the at least one buffer memory, the arithmetic/logic circuit, and the lookup table.